

Guangsheng Deng

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

50
papers

442
citations

12
h-index

19
g-index

56
ext. papers

621
ext. citations

2.5
avg, IF

4.07
L-index

#	Paper	IF	Citations
50	Graphene-based tunable polarization sensitive terahertz metamaterial absorber. <i>Optics Communications</i> , 2016 , 380, 101-107	2	51
49	Broadband terahertz metamaterial absorber based on tantalum nitride. <i>Applied Optics</i> , 2017 , 56, 2449-2454	4.54	48
48	Electrically tunable terahertz dual-band metamaterial absorber based on a liquid crystal. <i>RSC Advances</i> , 2018 , 8, 4197-4203	3.7	31
47	A Tunable Metamaterial Absorber Based on Liquid Crystal Intended for F Frequency Band. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2017 , 16, 2062-2065	3.8	19
46	Electrically Tunable Reflective Terahertz Phase Shifter Based on Liquid Crystal. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2018 , 39, 439-446	2.2	19
45	Tunable multi-wavelength absorption in mid-IR region based on a hybrid patterned graphene-hBN structure. <i>Optics Express</i> , 2019 , 27, 23576-23584	3.3	19
44	Wideband Metamaterial Absorbers Based on Conductive Plastic with Additive Manufacturing Technology. <i>ACS Omega</i> , 2018 , 3, 11144-11150	3.9	18
43	Triple-band polarisation-independent metamaterial absorber at mm wave frequency band. <i>IET Microwaves, Antennas and Propagation</i> , 2018 , 12, 1120-1125	1.6	17
42	Electrically tunable liquid crystal terahertz device based on double-layer plasmonic metamaterial. <i>Optics Express</i> , 2019 , 27, 27039-27045	3.3	16
41	Phonon-polariton assisted broadband resonant absorption in anisotropic phase MoO ₃ nanostructures. <i>Physical Review B</i> , 2020 , 102,	3.3	14
40	An Ultrathin, Triple-Band Metamaterial Absorber with Wide-Incident-Angle Stability for Conformal Applications at X and Ku Frequency Band. <i>Nanoscale Research Letters</i> , 2020 , 15, 217	5	13
39	Optically transparent and single-band metamaterial absorber based on indium-tin-oxide. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , 2019 , 29, e21536	1.5	13
38	Tunable Liquid Crystal Based Phase Shifter with a Slot Unit Cell for Reconfigurable Reflectarrays in F-Band. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 2528	2.6	12
37	Reflective liquid crystal terahertz phase shifter with tuning range of over 360°. <i>IET Microwaves, Antennas and Propagation</i> , 2018 , 12, 1466-1469	1.6	12
36	An ultra-broadband and optically transparent metamaterial absorber based on multilayer indium-tin-oxide structure. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 165301	3	11
35	Measurement of LC dielectric constant at lower terahertz region based on metamaterial absorber. <i>IEICE Electronics Express</i> , 2017 , 14, 20170469-20170469	0.5	10
34	Fast-Tunable Terahertz Metamaterial Absorber Based on Polymer Network Liquid Crystal. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 2454	2.6	9

33	3D rampart-based dual-band metamaterial absorber with wide-incident-angle stability. <i>Applied Physics Express</i> , 2021 , 14, 022005	2.4	8
32	An efficient wideband cross-polarization converter manufactured by stacking metal/dielectric multilayers via 3D printing. <i>Journal of Applied Physics</i> , 2020 , 127, 093103	2.5	7
31	A Polarization-Dependent Frequency-Selective Metamaterial Absorber with Multiple Absorption Peaks. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 580	2.6	7
30	Tunable terahertz metamaterial with a graphene reflector. <i>Materials Research Express</i> , 2016 , 3, 115801	1.7	7
29	Polarization dependent, plasmon-enhanced infrared transmission through gold nanoslits on monolayer black phosphorus. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019 , 36, F109	1.7	7
28	Wideband absorber based on conductive ink frequency selective surface with polarization insensitivity and wide-incident-angle stability. <i>Nanomaterials and Nanotechnology</i> , 2020 , 10, 1847980420935717	2.9	7
27	A graphene-based broadband terahertz metamaterial modulator. <i>Journal of Electromagnetic Waves and Applications</i> , 2017 , 31, 2016-2024	1.3	6
26	A staggered double-vane slow-wave structure with double sheet electron beams for 340 GHz traveling wave tube. <i>Journal of Electromagnetic Waves and Applications</i> , 2019 , 33, 1632-1643	1.3	6
25	0.22 THz two-stage cascaded staggered double-vane traveling-wave tube. <i>Journal of Computational Electronics</i> , 2016 , 15, 634-638	1.8	6
24	A Tunable Polarization-Dependent Terahertz Metamaterial Absorber Based on Liquid Crystal. <i>Electronics (Switzerland)</i> , 2018 , 7, 27	2.6	6
23	Electronically Tunable Liquid-Crystal-Based F-Band Phase Shifter. <i>IEEE Access</i> , 2020 , 8, 151065-151071	3.5	6
22	Antireflection self-reference method based on ultrathin metallic nanofilms for improving terahertz reflection spectroscopy. <i>Optics Express</i> , 2018 , 26, 19470-19478	3.3	5
21	Fully Electronically Phase Modulation of Millimeter-Wave via Comb Electrodes and Liquid Crystal. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021 , 20, 342-345	3.8	5
20	Dielectric properties of two high birefringence liquid crystal mixtures in the Sub-THz band. <i>Liquid Crystals</i> , 2020 , 47, 83-88	2.3	5
19	Tunable terahertz metamaterial wideband absorber with liquid crystal. <i>Optical Materials Express</i> , 2021 , 11, 4026	2.6	3
18	Contact Resistance Parallel Model for Edge-Contacted 2D Material Back-Gate FET. <i>Electronics (Switzerland)</i> , 2020 , 9, 2110	2.6	3
17	Angle-Dispersive Metasurface for Axisymmetric Wavefront Manipulation over Continuous Incident Angles. <i>Physical Review Applied</i> , 2020 , 14,	4.3	2
16	An ultra-wideband, polarization insensitive metamaterial absorber based on multiple resistive film layers with wide-incident-angle stability. <i>International Journal of Microwave and Wireless Technologies</i> , 2021 , 13, 58-66	0.8	2

15	Tunable Terahertz Transmission Properties of Double-Layered Metal Hole-Loop Arrays Using Nematic Liquid Crystal. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2019 , 40, 276-287	2.2	1
14	Dielectric Properties of Liquid Crystal Polymer Substrates in the Region from 90 to 140 GHz. <i>Crystals</i> , 2022 , 12, 170	2.3	1
13	Graphene-based wavelength demultiplexing structure. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2020 , 37, 903-907	1.8	1
12	Stereo Perfect Metamaterial Absorber Based on Standing Gear-Shaped Resonant Structure With Wide-Incident-Angle Stability. <i>Frontiers in Physics</i> , 2020 , 8,	3.9	1
11	TM-polarized angle-dispersive metasurface for axisymmetric extension of beam steering angles. <i>Optics Express</i> , 2021 , 29, 3211-3220	3.3	1
10	Enhanced broadband absorption with a twisted multilayer metal-dielectric stacking metamaterial. <i>Nanoscale Advances</i> , 2021 , 3, 4804-4809	5.1	1
9	3D-Printed Multiband Absorber Based on Stereo Frequency Selective Structures. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021 , 218, 2000734	1.6	1
8	Design and Experiment of Wideband Filters Based on Double-Layered Square-Loop Arrays in the F-Band. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1669	2.6	1
7	A Miniaturized 3-D Metamaterial Absorber With Wide Angle Stability. <i>IEEE Microwave and Wireless Components Letters</i> , 2022 , 1-4	2.6	1
6	Active continuous control of terahertz wave based on a reflectarray element-liquid crystal-grating electrode hybrid structure. <i>Optics Express</i> , 2022 , 30, 17361	3.3	1
5	Design and Experimental Verification of a Liquid Crystal-Based Terahertz Phase Shifter for Reconfigurable Reflectarrays. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2020 , 41, 665-674	2.2	0
4	The Characterization and Application of Two Liquid Crystal Mixtures in the Low THz Region. <i>Crystals</i> , 2020 , 10, 99	2.3	0
3	Bandpass filter based on comb shaped graphene nanoribbons. <i>OSA Continuum</i> , 2019 , 2, 2614	1.4	0
2	Liquid metal-based metamaterial with high-temperature sensitivity: Design and computational study. <i>Open Physics</i> , 2021 , 19, 735-741	1.3	
1	Reflectance-tunable terahertz polarization reflector using indium tin oxide. <i>Optics Communications</i> , 2020 , 460, 125149	2	